

TITLE

AROMATIC POLYMERS WITH MULTIPLE SIDE CHAINS AND

METHODS FOR USE THEREOF

ABSTRACT OF THE INVENTION

5 Polymeric compositions are provided comprising aromatic monomeric units selected from fluorene, spirofluorene, and bridged biphenyl, wherein the polymeric composition has at least two different substituents selected from alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, aryl, heteroaryl, arylalkyl, and heteroarylalkyl. The
10 variation of substituents alters the morphology of invention polymeric compositions relative to polymers that lack variation of substituents. When used as an active layer(s) in electroluminescent (EL) devices, the altered morphology results in EL layers with improved efficiency, which in turn results in more efficient EL devices. The polymeric compositions of the
15 invention also have increased solubility in solvents and better film-forming properties.

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MAC/dmm